

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	147	((("381"/).ccls.) and S194 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 13:21
		((speech or voice) same frequency same spatial same enhan\$5	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/26 10:20
		(individual adj sound) same (noise same (vioce or speech or desire\$1 or wanted))) same separat\$4	USPAT; EPO	OR	OFF	2004/03/09 10:07
		("381"/\$.ccls.) and spectrum adj subtract\$4	USPAT; EPO	OR	OFF	2004/03/03 14:40
		(spectrum adj subtract\$4	USPAT; EPO	OR	OFF	2006/07/11 10:46
L2	207	((704/228).ccls.) and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/20 08:58
L3	112	((381/93).ccls.) and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/20 09:21
L4	16	((381/66).ccls.) and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/20 09:21
L4	16	different adj type\$3 adj sound\$4 same separat\$4 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/20 09:34

## EAST Search History

S51	52	((("9595655") or ("4403208") or ("5333200") or ("4856084") or ("5581618") or ("5822438") or ("4577302") or ("4910779") or ("4975954") or ("5610986") or ("4272786") or ("4389536") or ("4794465") or ("4893342") or ("4901151") or ("5007324") or ("5202924") or ("5557706") or ("5661808") or ("5706396") or ("5892830") or ("5910997") or ("6007228") or ("4317958") or ("4352200") or ("4354067") or ("4408098") or ("4589137") or ("4805622") or ("4878501") or ("5001852") or ("5267321") or ("5347499") or ("5526075") or ("5621659") or ("5696831") or ("5757928") or ("5796843") or ("5798807") or ("5812678") or ("5850453") or ("5884048") or ("5987407") or ("5999229") or ("6006179") or ("6005953") or ("6038529") or ("4258387") or ("4262574") or ("4295155") or ("4303836"))).PN.	USPAT; EPO	OR	OFF	2004/11/16 13:36
S52	57	((on adj the adj spot) or (on-the-spot)) and (ambient or commentator)	USPAT; EPO	OR	OFF	2006/07/10 13:27
S53	72	((on adj the adj spot) or (on-the-spot)) and (ambient or commentator)	US-PGPUB; USPAT	OR	OFF	2004/11/16 14:19
S54	4	((on adj the adj spot) or (on-the-spot)) and (ambient or commentator)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/16 14:19
S55	390	((381/1).ccls.)	USPAT; EPO	OR	OFF	2004/11/16 16:59
S56	331	((381/17).ccls.)	USPAT; EPO	OR	OFF	2004/11/16 17:00
S57	191	((381/18).ccls.)	USPAT; EPO	OR	OFF	2004/11/16 17:00
S58	282	((381/104).ccls.)	USPAT; EPO	OR	OFF	2004/11/16 17:01
S59	292	((381/61).ccls.)	USPAT; EPO	OR	OFF	2004/11/16 17:01
S60	312	((381/63).ccls.)	USPAT; EPO	OR	OFF	2004/11/16 17:02
S61	174	((381/94.3).ccls.)	USPAT; EPO	OR	OFF	2006/07/17 15:23

## EAST Search History

S62	98	((381/94.2).ccls.)	USPAT; EPO	OR	OFF	2004/11/16 17:03
S63	1	("5737434").PN.	USPAT; EPO	OR	OFF	2004/11/17 16:01
S64	3379	iida.inv.	USPAT; EPO	OR	OFF	2004/11/18 09:36
S65	22	iida.inv. and "381"/\$.ccls.	USPAT; EPO	OR	OFF	2004/11/18 09:36
S66	6	(on adj the adj spot) or (on-the-spot) same different same type\$3	USPAT; EPO	OR	OFF	2004/11/24 15:04
S67	163	different adj type\$3 adj sound\$4	USPAT; EPO	OR	OFF	2004/11/24 15:07
S68	2004894	different adj type\$3 adj sound\$4same separat\$4	USPAT; EPO	OR	OFF	2004/11/24 15:08
S69	17	different adj type\$3 adj sound\$4 same separat\$4	USPAT; EPO	OR	OFF	2005/06/15 17:19
S70	3	((("5197100") or ("5569038") or ("6311155")).PN.	USPAT; EPO	OR	OFF	2004/11/24 16:07
S71	30	different adj type\$3 adj sound\$4 same separat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/16 09:23
S72	16	different adj type\$3 adj sound\$4 same separat\$4 AND @AY<="2000"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/15 17:32
S73	3	different adj type\$3 adj sound\$4 same separat\$4 AND @AY<="2000"	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/15 17:32
S74	966	(on adj the adj spot) or (on-the-spot)	USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/16 09:22
S75	31	different adj type\$3 adj sound\$4 same separat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/20 09:33
S76	0	S74 and S75	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/16 09:23
S77	176	different adj type\$3 adj sound\$4 and separat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/16 09:24
S78	0	S74 and S77	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/16 09:24

## EAST Search History

S10 3	0	((704/232).ccls.) and ((on adj the adj spot) or (on-the-spot))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/23 16:42
S10 4	1441	ambient adj sound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 13:31
S10 5	2	ambient adj sound adj component	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/23 16:43
S10 6	0	((on adj the adj spot) or (on-the-spot)) adj component	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/23 16:52
S10 7	2	S97 and S104 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/23 16:58
S10 8	3	(blum.inv.) and (("381"/\$).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/23 16:54
S10 9	408739	sound\$4 same separat\$4 same plurality or different adj typ\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/23 16:58
S11 0	73	S109 and S104 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/23 16:58

## EAST Search History

S14 5	0	(speech same ambient same separat\$4 ) and (different adj types)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/26 11:33
S14 6	0	(speech and ambient and separat\$4 ) and (different adj types)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 12:03
S14 7	1	("6587565").PN.	USPAT; USOCR	OR	OFF	2006/01/26 09:52
S14 8	23	(speech or voice) same frequency same spatial same enhan\$5	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/26 10:21
S14 9	7	(speech or voice) same frequency same spatial same enhan\$5 and @ay<"1999"	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/26 10:21
S15 0	0	((speech or voice) same ambient same separat\$4 ) and (different adj types)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/26 11:33
S15 1	15	((speech or voice) same ambient same separat\$4 ) and (different adj types)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:34
S15 2	2	((speech or voice) same ambient same separat\$4 ) and (different adj types) and @ay<="1999"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:35
S15 3	63	((speech or voice) same ambient same separat\$4 ) and @ay<="1999"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:36
S15 4	2991585	((speech or voice) same ambient same separat\$4 ) and spatial @ay<="1999"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:37
S15 5	4	((speech or voice) same ambient same separat\$4 ) and spatial and @ay<="1999"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:40
S15 6	29	((speech or voice) same ambient same separat\$4 ) and enhanc\$4 and @ay<="1999"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/26 11:40
S15 7	4823	(voice or speech) same noise same channel	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 11:50
S15 8	29728	((("381"/\$).cccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 11:53
S15 9	207	S157 and S158 and @ay<="1999"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 11:53
S16 0	203	((("381"/110).cccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 11:54

## EAST Search History

S16 1	17	S157 and S160 and @ay<="1999"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 11:54
S16 2	198	((("381"/57).ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 11:30
S16 3	17	S157 and S161 and @ay<="1999"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 11:55
S16 4	185634	spatial	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 11:58
S16 5	121	S157 and S164 and @ay<="1999"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 11:57
S16 6	1378	(voice or speech) same back\$2ground same channel	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 11:59
S16 7	33	S166 and S164 and @ay<="1999"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 12:00
S16 8	49444	spatial	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 11:58
S16 9	112	(voice or speech) same back\$2ground same channel	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 11:59
S17 0	0	S168 and S169 and @ay<="1999"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 11:59
S17 1	218	((463/35).ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 12:02
S17 2	7	S171 and S164 and @ay<="1999"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 12:02
S17 3	0	((463/35).ccls.)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 12:01
S17 4	155	((704/232).ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 12:02
S17 5	22	S174 and S164 and @ay<="1999"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/01 12:02

## EAST Search History

S17 6	899	(speech and ambient and separat\$4 ) and (different adj types)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/10 12:03
S17 7	21086	((("381"/\$).ccls.) and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/20 08:42
S17 8	22	((("381"/\$).ccls.) and S176 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/10 12:09
S17 9	0	((("381"/119).ccls.) and S176 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/10 12:09
S18 0	1	((("381"/1).ccls.) and S176 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/10 12:10
S18 1	1	((("381"/17-18).ccls.) and S176 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/10 12:10
S18 2	0	((("381"/61-63).ccls.) and S176 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/10 12:11
S18 3	3	((("381"/94.2-94.3).ccls.) and S176 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/17 14:22
S18 4	2	((("381"/104).ccls.) and S176 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/10 12:13
S18 5	3	((("381"/57).ccls.) and S176 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/10 12:14
S18 6	0	((("381"/110).ccls.) and S176 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/10 12:15
S18 7	1	((704/232).ccls.) and S176 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/10 12:15

## EAST Search History

S18 8	1	("4817149").PN.	USPAT; USOCR	OR	OFF	2006/07/10 12:17
S18 9	0	("extract\$4adjfrequency").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/10 12:18
S19 0	0	exatract\$4 adj frequency	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/10 12:19
S19 1	3151	extract\$4 adj frequency	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/10 13:20
S19 2	17	indentif\$4 near2 frequency	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/10 12:21
S19 3	15	indentif\$4 near2 frequency and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 10:18
S19 4	3779	extract\$4 adj frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 13:25
S19 5	28	((("381"/\$).ccls.) and S194 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 13:25
S19 6	1284	estimating adj frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 13:25
S19 7	5	((("381"/\$).ccls.) and S196 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 13:31
S19 8	52	((on adj the adj spot) or (on-the-spot)) and (ambient or commentator) and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/10 13:27



## EAST Search History

S19 9	1296	ambient adj sound	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/10 13:31
S20 0	229	((("381"/\$).ccls.) and S199 and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/10 13:31
S20 1	1	("4450433").PN.	USPAT; USOCR	OR	OFF	2006/07/11 10:46
S20 2	90	((("381"/94.7).ccls.) and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/17 14:22
S20 3	480	((381/94.3).ccls.) AND @AY<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/17 16:02
S20 4	87	((381/94.2).ccls.) AND @AY<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/17 16:02
S20 5	18	indentif\$4 near2 frequency and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/18 10:19
S20 6	5391	estimat\$4 near2 frequency and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/18 10:20
S20 7	10418	extract\$4\$4 near2 frequency and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/18 10:20
S20 8	252	S206 and S207	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/18 10:20
S20 9	203	((381/119).ccls.) and @ay<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/18 10:25

## EAST Search History

S21 0	203	(( "381"/119).cccls.) AND @AY<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 11:35
S21 1	58	((704/202).cccls.) AND @AY<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 12:01
S21 2	39	((704/259).cccls.) AND @AY<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 11:38
S21 3	166	((704/503).cccls.) AND @AY<="1999"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 12:01